

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. **(Currently Amended):** A system for monitoring resources within a build to order manufacturing facility comprising:

a remote monitoring system coupled to one or more pieces of equipment within the manufacturing facility, said pieces of equipment operable to produce build to order products;

the **remote** monitoring system operable to determine an operating status of the one or more pieces of equipment **and to determine whether an order ship criteria associated with producing a particular order of build to order products has been fulfilled**~~relative to a ship criteria associated with producing the build to order products;~~

said remote monitoring system operable to consolidate real-time information relating to the operating status; **and**

the remote monitoring system communicatively coupled to a control center, said remote monitoring system operable to display **substantially** real-time status information associated with using the one or more pieces of equipment, wherein the status information indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is **inoperable; and**

a simulator communicatively coupled to the remote monitoring system and operable to dynamically allocate resources based on an error associated with the one or more pieces of equipment .

2. **(Original):** The system of Claim 1 further comprising plural pieces of equipment operably associated with one or more locations within the manufacturing facility.

3. **(Cancelled)**

4. (Original): The system of Claim 1 further comprising one or more remote access terminals within the manufacturing facility operable to provide access to the remote monitoring system.

5. (Cancelled): Please cancel Claim 5 without prejudice or disclaimer.

6. (Original): The system of Claim 1 further comprising a network interface communicatively coupled to one or more of the pieces of equipment and operable to communicate information in real-time to provide the operating status associated with the one or more pieces of equipment.

7. (Original): The system of Claim 1 further comprising a process monitor operable to monitor a process that uses the one or more pieces of equipment.

8. (Currently Amended): A method for monitoring resources within a build to order manufacturing facility, the method comprising:

accessing information resources for selective portions of a manufacturing facility, said information resources associated with one or more pieces of equipment, said equipment remotely located from a control center for the manufacturing facility and operable to produce build to order products, wherein said information resources provide ~~substantially~~ real-time data on operating status for the one or more pieces of equipment;

consolidating the ~~substantially~~ real-time information on the operating status in a remote monitoring system;

determining operating status of the one or more pieces of equipment relative to a ship criteria associated with manufacturing the products, based on the ~~substantially~~ real-time data on operating status; ~~and~~

displaying the determined operating status within a user interface of the control center, wherein the displayed operating status indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable; and

simulating the allocation of resources based on the inoperability of one or more pieces of equipment; and
dynamically reallocating the resources in response the inoperability of one or more pieces of equipment.

9. (Previously Presented): The method of Claim 8 further comprising:
accessing a log to obtain information for monitoring the equipment;
automatically determining if an error has occurred with one of the pieces of equipment, based on the information obtained from the log; and
automatically updating the displayed operating status for the piece of equipment in the control center, in response to determining that the error has occurred.

10. (Cancelled): Please cancel Claim 10 without prejudice or disclaimer.

11. (Cancelled)

12. (Original): The method of Claim 8 further comprising automatically reallocating resources upon determining an error associated with a malfunctioning piece of equipment.

13. (Original): The method of Claim 12 further comprising routing product to a different portion of the manufacturing facility in response to determining the error.

14. (Original): The method of Claim 8 further comprising associating a process with the one or more pieces of equipment to provide a process monitor.

15. (**Currently Amended**): A program product for monitoring resources within a build to order manufacturing facility, the program product comprising:
a computer-usable medium; and

control logic encoded in the computer-usable medium, wherein the control logic, when executed, performs operations comprising:

obtaining ~~substantially~~ real-time data on operating status for one or more pieces of equipment in a manufacturing facility from information resources for selective portions of the manufacturing facility, said information resources associated with the one or more pieces of equipment, said equipment remotely located from a control center for the manufacturing facility and operable to produce build to order products;

consolidating the ~~substantially~~ real-time information on the operating status in a remote monitoring system;

determining an operating status of the one or more pieces of equipment relative to a ship criteria associated with manufacturing the products, based on the ~~substantially~~ real-time data on operating status; **and**

displaying the determined operating status within a user interface of the control center, wherein the displayed operating status indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable;

simulating the allocation of resources based the inoperability of one or more pieces of equipment; and

dynamically reallocating the resources in response to the equipment encountering the error.

16. (Original): The medium of Claim 15 further comprising logic operable to:
access a log to obtain information for monitoring the equipment;
determine if an error has occurred with one of the pieces of equipment;
notify the control center of the error; and
update the status for the piece of equipment.

17. (Cancelled): Please cancel Claim 17 without prejudice or disclaimer.

18. (Original): The medium of Claim 15 further comprising the logic operable to provide information in real-time from remote locations within the manufacturing facility.

19. (Original): The medium of Claim 15 further comprising logic operable to automatically reallocate resources upon determining an error associated with a malfunctioning piece of equipment.

20. (Original): The medium of Claim 19 further comprising the logic operable to route product to a different portion of the manufacturing facility in response to determining the error.

21. (Original): The medium of Claim 15 further comprising logic operable to associate a process with the one or more pieces of equipment to provide a process monitor.
